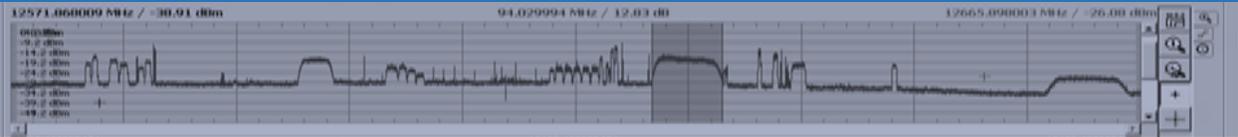




SIRRS



Satellite Interference Reporting and Resolution System

Quick Guide to submit a Report and Responses

V 0.3 (09.02.18)

Creating and Submitting a New Report of Harmful Interference

Once you are logged-in, go to “New Report” and enter the information describing the case. It consists of 4 steps as described below:



Create New Interference Report

The screenshot shows the "Create New Interference Report" form. At the top, there are buttons for "Back to drafts" and "Save draft". The form is divided into several sections: "Report information" with a "Title" field and a "Ref. Administration" dropdown set to "ITU"; "Stations Causing Interference" with an "Add Station" button; "Stations Interfered With" with an "Interfering Scenario" dropdown set to "Uplink" and two rows of "Station type" and "Direction" fields; "Frequency Assignments" with an "Add frequency assignment" button; and "Upload documents" with four rows of "Browse..." and "Upload" buttons for different document types. A "Add additional document" button is at the bottom. Four orange arrows point from the form to a list of steps on the right.

- 1) Station Causing Interference
- 2) Interference Scenario (Uplink, Downlink, RAS, EESS-Passive) and Characteristics of Station Interfered with.
- 3) Affected Frequency Assignment(s)
- 4) Upload Documents:
 - Correspondences
 - Scan Plot
 - Geolocation Plot
 - Other Forms, Graphs, Analysis, etc
 - Info on Passive Sensors in the Format of REC.ITU-R RS 2106-0 or any future REC providing supplementary information.

When you click on “Add Station Causing Interference” a new window will pop-up. Fill-in the appropriate parameters and press “Save” .

+ Add Station Causing Interference

Characteristics

Station type:*	<input type="text" value="Space > Geo stationary"/>	<input type="checkbox"/> Unknown
Name :	<input type="text" value="BRASILSAT-B4"/>	
Class of Station [g]:	<input type="text" value="EC"/>	

Location [h]

Orbital Longitude:*	<input type="text" value="-84"/>		<input type="checkbox"/> Unknown
---------------------	----------------------------------	---	----------------------------------

Administration(s) having jurisdiction

<input type="button" value="+"/>	<input type="text" value="B"/>	<input type="button" value="🗑"/>	<input type="checkbox"/> Unknown
----------------------------------	--------------------------------	----------------------------------	----------------------------------

Associated Itu Satellite Name(s) [a]

<input type="button" value="+"/>	<input type="text" value="B-SAT-W"/>	<input type="button" value="🗑"/>	<input type="checkbox"/> Unknown
----------------------------------	--------------------------------------	----------------------------------	----------------------------------

Measured Characteristics:

Frequencies [b]:	<input type="button" value="+"/>	<input type="text" value="4.100"/>	<input type="text" value="GHz"/>
Class of Emission [c]:	<input type="text" value="3M00G7W"/>		
Bandwidth [d]:	<input type="text" value="3.1"/>	<input type="text" value="MHz"/>	
Field Strength or Power Flux Density of Wanted carrier [e]:	<input type="text" value="-150 dBW/Hz/m2"/>		
Polarization [f]:	<input type="text" value="LHCP"/>		

Additional information

Date and Time (UTC) of Interference [b,s,e]:*	<input type="text" value="01-12-2016 05:04 PM"/>
Nature of interference [u]:	<input type="text" value="Adjacent Satellite"/>

Facility which made the above measurements [i,p]:

Select the “Interference scenario”, enter the parameters associated to the “ stations interfered with” and “ save” .

Stations Interfered With

Interfering Scenario:

Station type	Space > Geo stationary		
Direction	TX		

Station type	Earth		
Direction	RX		

+ Add Station Interfered With

Characteristics

Station type: Geo-stationary satellite
 Non geo-stationary satellite

Name [j]:

Associated Administration: 

Associated ITU Satellite Name: 

Location [r]

Orbital Longitude:



+ Add Station Interfered With

Characteristics

Name [g,t]:

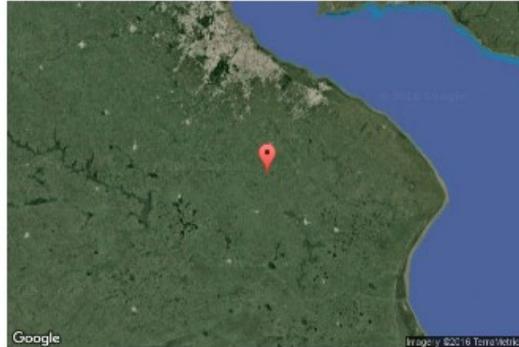
Associated Administration:



Location [r]

Longitude:

Latitude:



Next, enter the characteristics of the “Affected Frequency Assignment” and “Save”:

+ Add Affected Frequency Assignment

Assigned frequency [h, l]:



Bandwidth [n]:



Polarization [w]:



Nature of Service



Class of emission [m]:

Field Strength or Power Flux
Density of Wanted carrier [e]:

Finally, upload your letter as Affected Administration (mandatory) together with any other supplementary information (optional) and press “Save draft and continue “

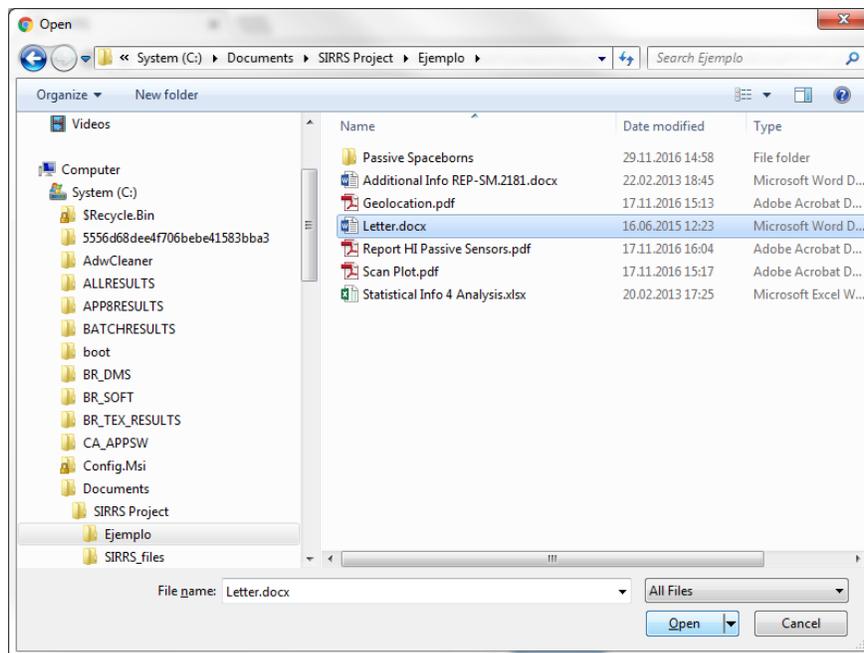
Please note that you have the possibility to enter some “Remarks” as well as “ Direct Contact Details” of a person dealing with the case in order to describe better the incident and to facilitate the identification and resolution of the interference.

Upload documents

Letter from Affected Administration:	
<input type="button" value="Browse..."/>	<input type="button" value="Upload"/>
Interference Signal Geolocation Plot:	
<input type="button" value="Browse..."/>	<input type="button" value="Upload"/>
Interfered and Interfering Signal Scan Plots:	
<input type="button" value="Browse..."/>	<input type="button" value="Upload"/>
Information on Passive Sensors-EESS (REC ITU-R RS. 2106-0):	
<input type="button" value="Browse..."/>	<input type="button" value="Upload"/>



Add additional document



Your report has now been created and a reference Number has been assigned. You need to refer to this Case ID for future treatment.

The last step is to select the “ Action” you are requesting and press “ Approve and Submit”

Notifications

Inform administration(s) having jurisdiction

Inform the Bureau

... for information

... to request ITU Assistance

*choose a reason otherwise the bureau will not be informed

Availability

Authorize Public Access

Now the Administrations and Bureau have been informed according to your request and the report has been recorded in the ITU SIRRS Registry.

Upload documents

Letter from Affected Administration:

Interference Signal Geolocation Plot:

Interfered and Interfering Signal Scan Plots:

Information on Passive Sensors-EESS (REC ITU-R RS. 2106-0):

Add additional document

Generating and submitting a report concerning interference to Earth Exploration Satellite Service (passive sensors)

Go to Create “ New Report”

In the Section “ Stations Interfered with” , select “ Passive Sensors-EESS” from the “ Interfering Scenario” drop-down menu.

Then Edit, filled-in the appropriate parameters and save this section:

Stations Interfered With

Interfering Scenario:

Station type	Space > Non-geo stationary
Direction	RX
Name	SMOS
Administration	F
Associated ITU name	SMOS



Complete the sections concerning Station Causing Interference and Affected Frequency Assignment . An example is shown below:

+ Add Station Causing Interference

Characteristics

Station type:*

Other

Unknown

Custom station type:*

Terrestrial Radars

Name :[a]

Class of Station [g]:

Location [h]

Longitude:*

7.91015625

Latitude:*

46.8601910156



Unknown

Description:

30 km uncertainty

Administration(s) having jurisdiction



SUI



Unknown

Measured Characteristics:

Frequencies [b]:*



1413.5

MHz

Class of Emission [c]:

Bandwidth [d]:

27

MHz

Field Strength or Power Flux
Density of Interfering Carrier [e]

Polarization [f]:

Other

Additional information

Date and Time (UTC) of Interference [b,s,e]:*

22-01-2018 12:00 AM

Nature of interference [u]:

Type of carrier:*

- Analog Modulated Carrier
- Burst Signal
- CW – Clean Carrier
- Digital Modulated Carrier
- Frequency Hoping
- Frequency sweeping

Source:*

- Cross Polarization
- Co-Channel
- Intermodulation
- Unwanted emissions
- Antenna mispointing
- Adjacent Satellite Interference
- Adjacent Carrier Interference
- Malfunctioning equipment
- Insufficient cable shielding
- Reference to RR No.15.1 (unnecessary emissions)
- Other (please specify)

Facility which made the above measurements [i,p]:

Longitude:

Latitude:

✓ Save

✗ Cancel

+ Add Affected Frequency Assignment

Assigned frequency [k, l]:

1413.5

MHz

Bandwidth [n]:

27

MHz

Polarization [w]:

Other

Nature of Service

Earth Exploration Satellite – EESSS

Class of emission [m]:

Field Strength or Power Flux Density of Wanted carrier [v]:

✓ Save

✗ Cancel

Finally, upload your letter and information on Passive Sensors, preferably in the format of REC.ITU-R RS.2106-0 , and press save draft and continue like any other case.

Upload documents

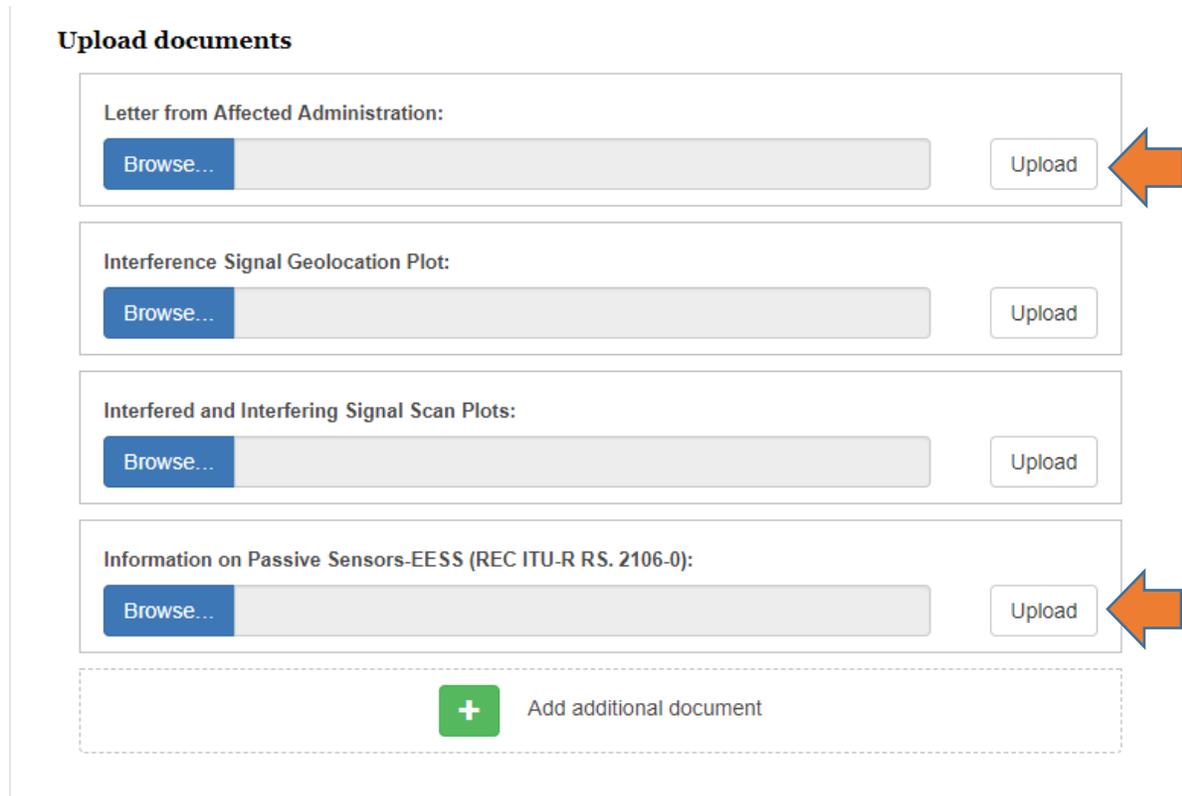
Letter from Affected Administration:

Interference Signal Geolocation Plot:

Interfered and Interfering Signal Scan Plots:

Information on Passive Sensors-EESS (REC ITU-R RS. 2106-0):

Add additional document



Generating and submitting a Reply , or adding a document to an already created Report

Simply go to **Reports** → **Implicated In** page and open the Case:



Implicated in reports



	Case ID	Affected Adm	Operator	Affected Station	GSO Long.	Implicated Adms	Status	Date of receipt	BR Request	Last modification
 	J2018-10860	J		ALOS-2	44.00	B, J	Published	25/01/2018 10:42:11		25/01/2018 10:42:11
 	B2018-10856	B		B-SAT-1N-1	4.00	B	Published	22/01/2018 09:02:06		22/01/2018 09:02:06
 	SVK2018-10827	SVK		SKCUBE	5.00	SVK	Published	21/01/2018 21:35:09		21/01/2018 21:35:09



Once it is opened, click on **Reply** and **Add** additional Document:



Report
Reply 1

*This Report and subsequent documents to be included in the case were defined by the Affected Adm as
PUBLIC

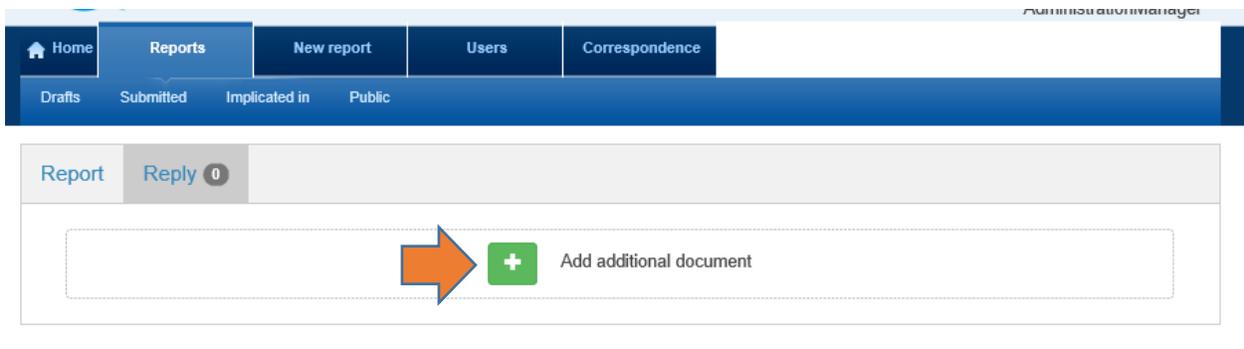
Ref.:J2018-10860

Stations Causing Interference

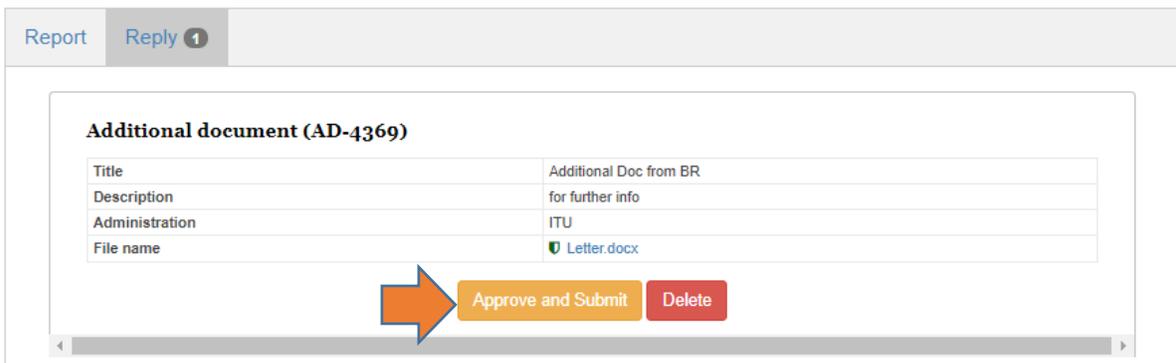
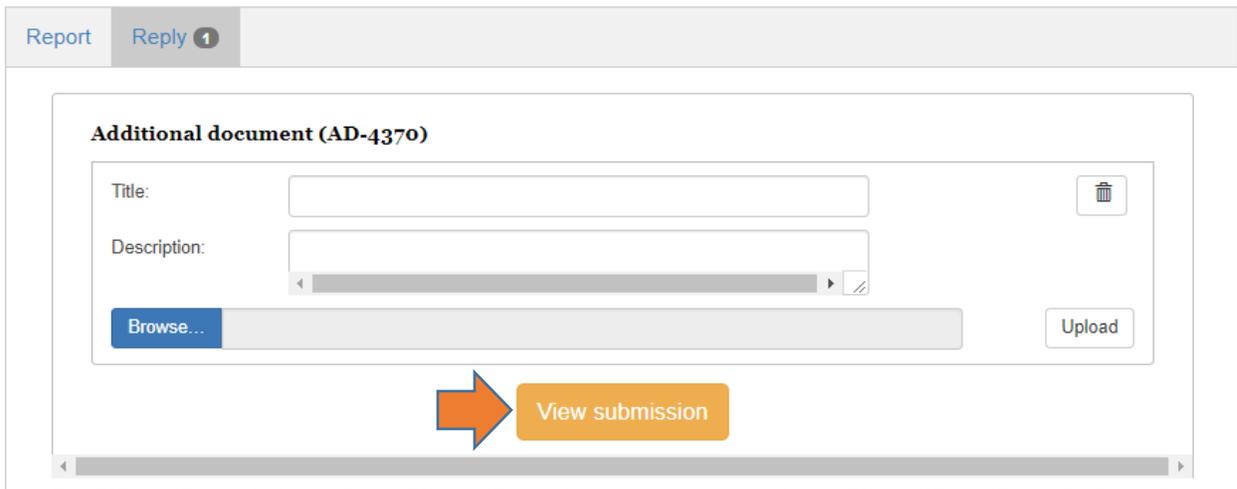
StationId	2452
Station type	Terrestrial
Location	4.000000, 33.000000
Administrations	B
Measured frequencies	444.000000 MHz
Polarization	V
Date of interference	10/01/2018
Type of carrier	1. CW – Clean Carrier
Source	1. Unwanted emissions 2. 444

Stations Interfered With

Station type	Space > Geo stationary
Direction	TX



Then complete **Title and Description** and **Upload** the Document. Press **View Submission**
Finally **Approve and Submit**



You will find your Document added to the Report and an automatic email notification is sent to the organisations implicated in the case for their information/action.

Upload documents

25/01/2018

Title	Letter from Affected Administration
Administration	J
Date of receipt	25/01/2018 10:42:11
File name	 I-2017-017443-email.pdf

Title	
Administration	J
Date of receipt	25/01/2018 10:42:46
File name	 NOTES.doc

Title	Additional Doc from BR
Description	for further info
Administration	ITU
Date of receipt	25/01/2018 11:57:39
File name	 Letter.docx

